

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A method of producing a reduced data set event log comprising the acts of:
 - (a) monitoring an event log comprising examination and series data from a digital imaging device; and
 - (b) automatically copying portions of the examination and series data from the event log to produce the reduced data set event log.
2. (original) The method of producing a reduced data set event log, as set forth in claim 1, wherein the event log is produced from a computed tomography (CT) device.
3. (original) The method of producing a reduced data set event log, as set forth in claim 1, wherein the event log comprises a multi-threaded event log.
4. (original) The method of producing a reduced data set event log, as set forth in claim 1, wherein act (b) comprises:
 - (a) providing a feature extractor module;
 - (b) analyzing the event log using the feature extractor module; and
 - (c) storing portions of the examination and series data in the reduced data set event log.
5. (original) The method of producing a reduced data set event log, as set forth in claim 4, wherein the feature extractor module comprises a software algorithm.

6. (original) The method of producing a reduced data set event log, as set forth in claim 4, wherein the feature extractor module comprises a Programmable Read Only Memory (PROM) device.

7. (original) The method of producing a reduced data set event log, as set forth in claim 4, wherein the feature extractor module comprises a software routine.

8. (original) The method of producing a reduced data set event log, as set forth in claim 4, wherein the feature extractor module comprises a state machine.

9. (original) A method of interpreting an event log comprising the acts of:

- (a) using a state machine to describe predetermined conditions;
- (b) switching states of the state machine in response to the detection of the predetermined conditions; and
- (c) producing a reduced data set event log based on the output of the state machine.

10. (original) The method of interpreting an event log, as set forth in claim 9, comprising the acts of:

manually inspecting exemplary event logs comprising examination records and series records;

identifying a plurality of text-strings corresponding to the examination records and series records;

assigning a condition to each of the plurality of text-strings; and

using each of the conditions to define a state machine.

11. - 12. (canceled)

13. (original) A system for interpreting an event log comprising:
an input device configured to produce an event log, the event log comprising
imaging data correlative to an image scan; and
a feature extractor module configured to receive the event log from the input
device and further configured to produce a reduced data set event log.

14. (original) The system for interpreting an event log, as set forth in
claim 13, wherein the feature extractor module comprises a software algorithm.

15. (original) The system for interpreting an event log, as set forth in
claim 13, wherein the feature extractor module comprises a state machine.

16. (original) The system for interpreting an event log, as set forth in
claim 13, wherein the event log comprises a multi-threaded event log.

17. (original) The system for interpreting an event log, as set forth in
claim 13, wherein the input device comprises at least one of a computed tomography
(CT) device, a magnetic resonance imaging (MRI) device, an x-ray system, and an
ultrasound system.

18. (currently amended) A feature extractor system for interpreting an event
log comprising a computer comprising a feature extractor module, the module configured
to receive comprising means for receiving an event log from an input device and further
configured to produce for producing a reduced data set event log.

19. - 23. (canceled)

24. (original) A computer-readable medium storing computer instructions for:

monitoring an event log comprising examination and series data from a digital imaging device; and

automatically copying portions of the examination and series data from the event log to produce a reduced data set event log.

25. (original) The computer-readable medium, as set forth in claim 24, wherein the computer instructions for automatically copying comprises computer examinations for:

analyzing the event log, and

storing portions of the examination and series data in the reduced data set event log.

26. (canceled).